

# HISTORIC AMERICAN ENGINEERING SURVEY

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### Cleves Bridge

Spanning the Great Miami River on  
U.S. highway 50, approximately 3.75  
miles east of the Ohio-Indiana border  
Cleves vicinity, Hamilton County  
Ohio

HAER No. OH-70

PHOTOGRAPHER (PHOTOS 1-33) John Gerhardstein February, 1990  
(PHOTOS 34-36) Unknown

- OH-70 -1- General view of bridge and its setting. Looking from southwest to northeast.
- OH-70 -2- General view of truss and adjacent bridges looking from northwest to southeast.
- OH-70 -3- View of west end portal and north side of 1st span. Looking from west to east.
- OH-70 -4- Looking thru the deck from west to east of 1st span.
- OH-70 -5- Typical top chord, vertical lattice and diagonal member assembly. View is toward south side of central panels at 1st span.
- OH-70 -6- Typical detail of lower chord tension member pin connection with vertical member. View is from south side of 1st span.
- OH-70 -7- Typical top chord, vertical lattice, diagonals and strut assembly for the 1st and 4th spans. View is of north side of 1st span.
- OH-70 -8- Typical view of deck beam, U bolt and lower chord tension member pin connection. View is from 1st span looking east.
- OH-70 -9- Detail of west side abutment and 1st span truss connection.
- OH-70 -10- Looking thru the deck from east side of 2nd span. View is from east to west.
- OH-70 -11- View of west and south side of 2nd span looking from southwest to northeast.
- OH-70 -12- Typical view of walkway on south side of truss. Looking west from intersection of 2nd and 3rd

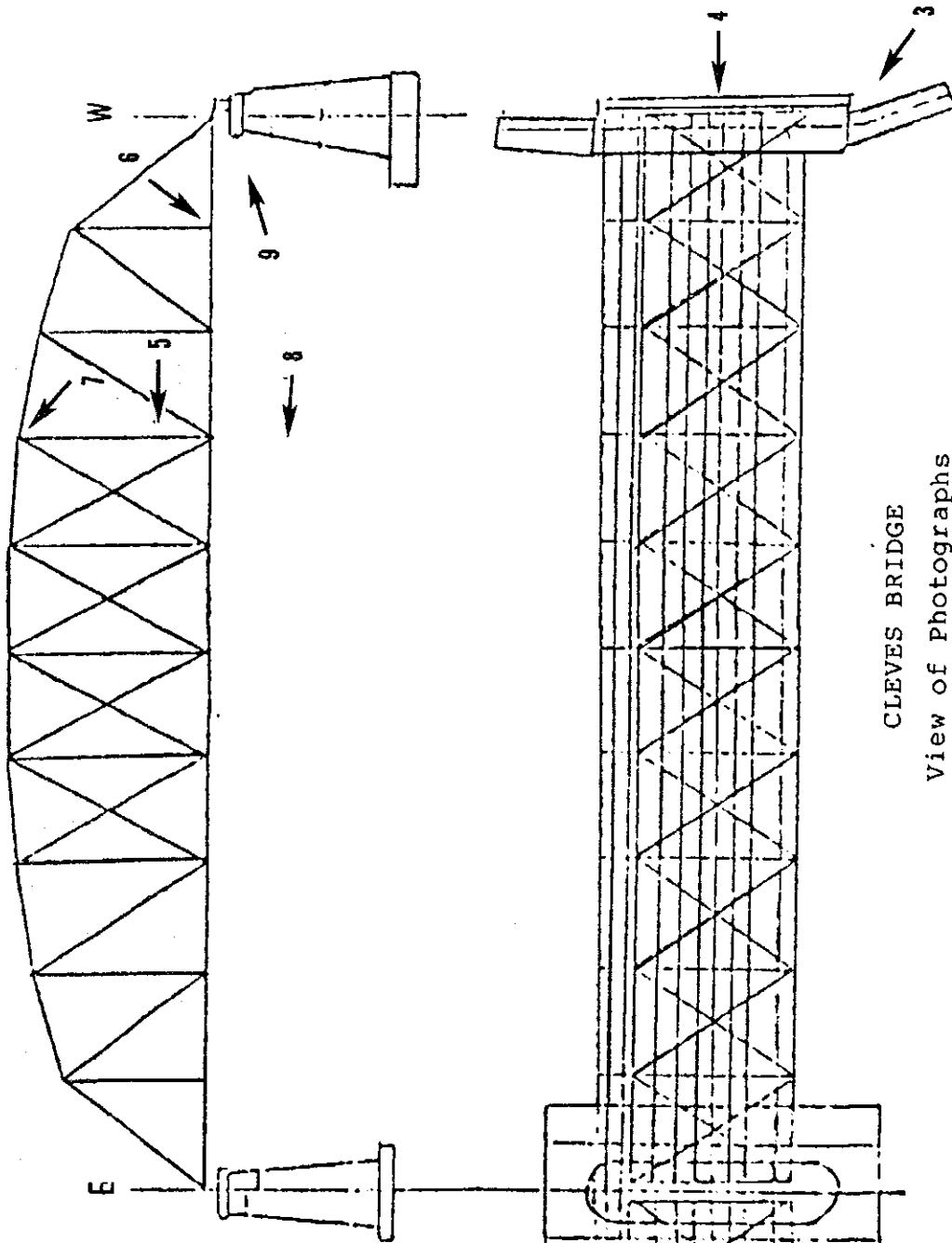
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spans.

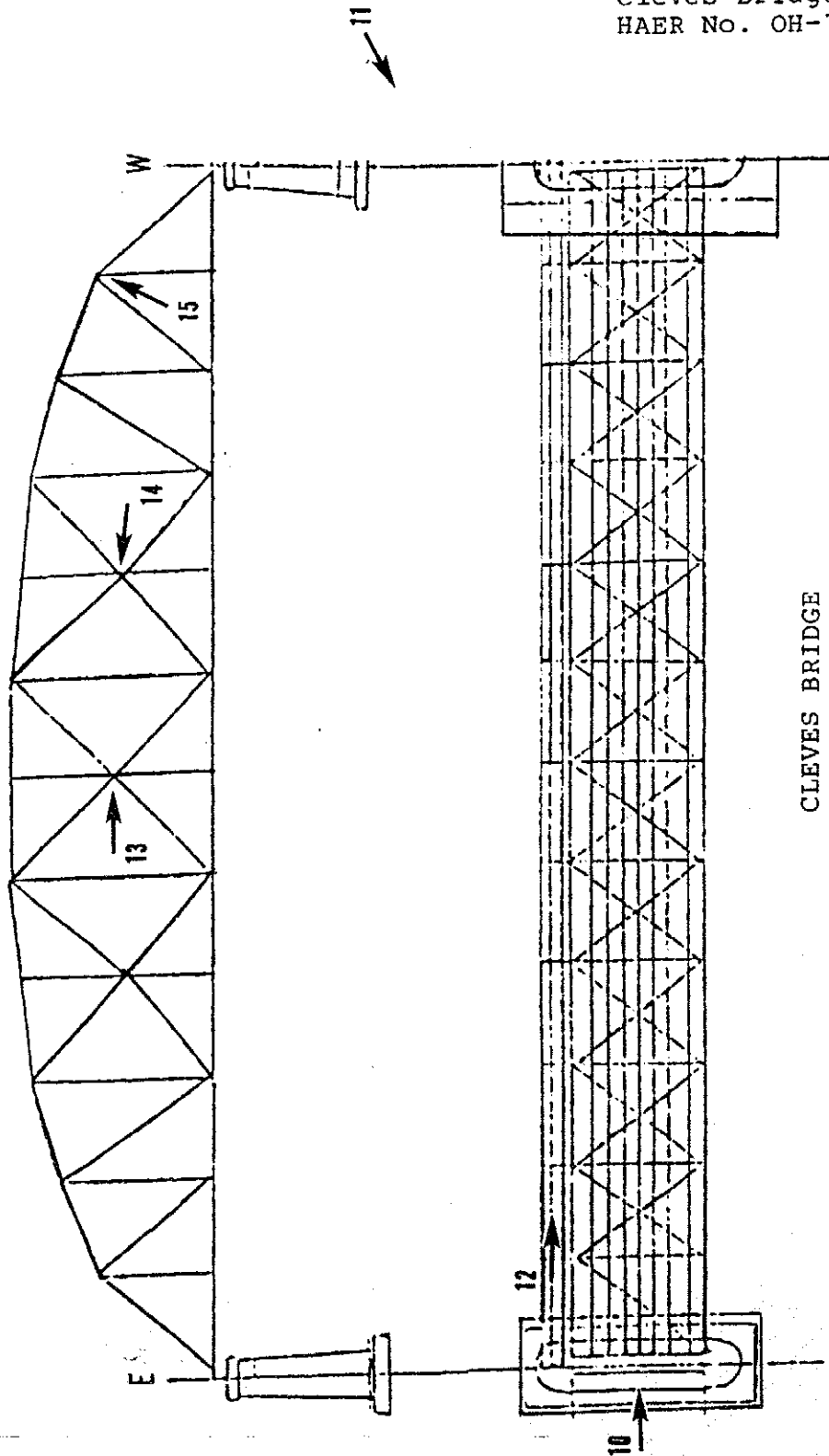
- OH-70 -13- Another type of pin connection assembly found at 2nd and 3rd spans. View of north side of 2nd span.
- OH-70 -14- Typical pin connection of eye bars, diagonal tension members and vertical beam found at 2nd and 3rd spans. View is of north side of 2nd span.
- OH-70 -15- Typical portal, top chord, diagonals and spandrel detail. View is of south side of 2nd span just behind 1st span.
- OH-70 -16- Typical end post, top chord, bottom chord, vertical lattice and diagonal connections for the 2nd and 3rd spans. View is of south side of 3rd span just west of its connection with the 4th span.
- OH-70 -17- View of north side, floor stringers and beams of 3rd span looking northwest to southeast.
- OH-70 -18- Typical view of lower chord and vertical member connection. View is of north side of 3rd span looking southwest.
- OH-70 -19- Typical lower chord tension member, vertical lattice and diagonal eye bar pinning. View is at north side of 3rd span looking west.
- OH-70 -20- Typical lower chord tension member, vertical lattice and diagonal tension bar pinning. View is of north side of 3rd span looking east.
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- OH-70 -22- Typical detail of expansion joint and connection of end posts to lower chord. View is junction of 2nd and 3rd spans, south side.
- OH-70 -23- View of east portal and north side of 4th span. Looking from east to west.
- OH-70 -24- Looking thru deck of 4th span from east to west.
- OH-70 -25- View of east side abutment looking from southwest to northeast.

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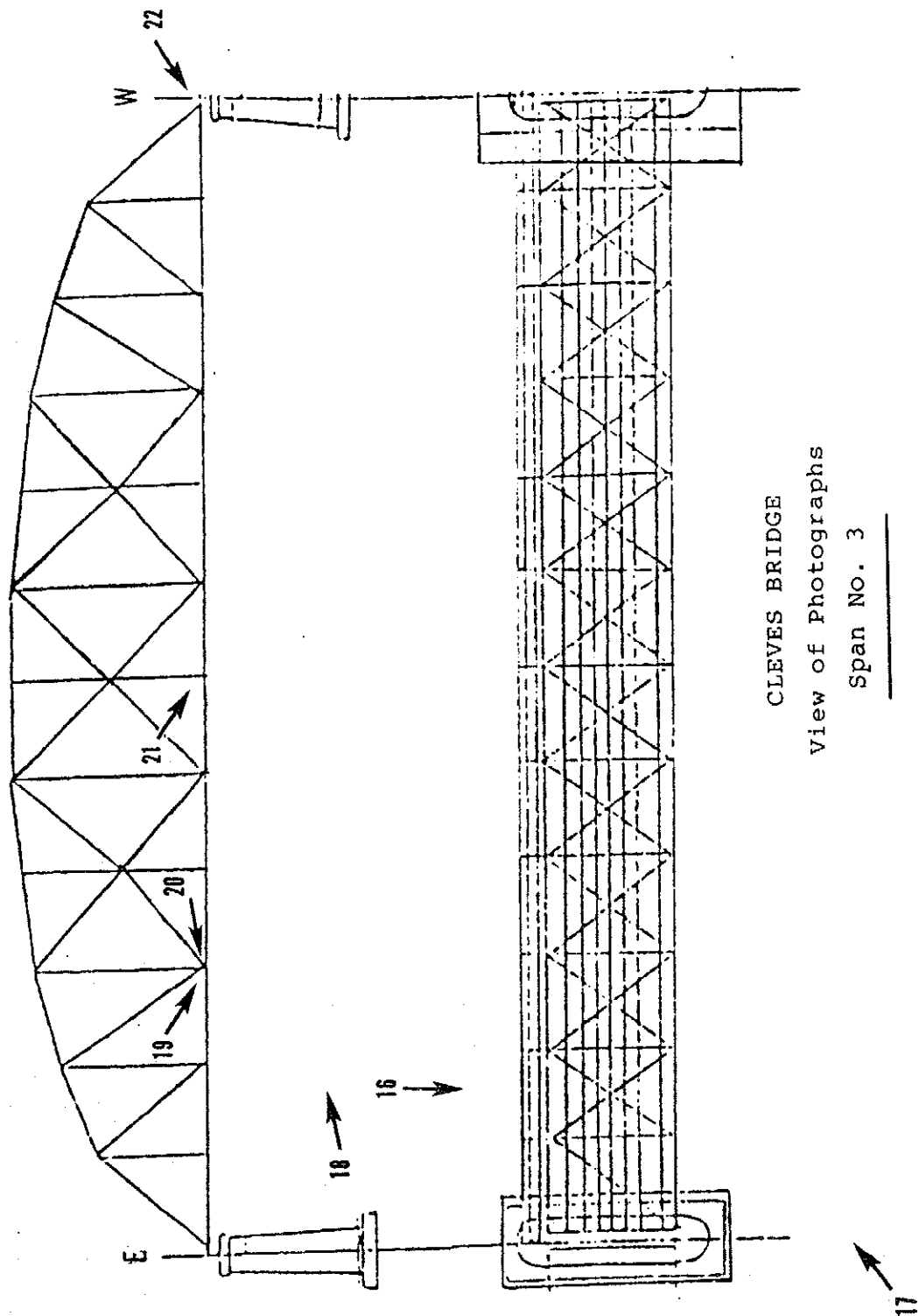
- OH-70 -26- Typical top chord, vertical lattice, diagonal bracing and bottom chord assembly. View is of south side of center panels of 4th span.
- OH-70 -27- Typical end post, top chord, bottom chord, vertical lattice and diagonal connections for the 1st and 4th spans. View is of south side of 4th span just east of its connection with the 3rd span.
- OH-70 -28- View of north side, floor stringers and beams of 4th span looking northwest to southeast.
- OH-70 -29- Typical pier detail. This pier supports the 3rd and 4th spans. Looking from northeast to southwest.
- OH-70 -30- Typical view of deck stringers and beam detail. Looking below 4th span toward west.
- OH-70 -31- Detail of U bolt and lower chord tension member pin connection. View is from 4th span looking east.
- OH-70 -32- Another type of upper superstructure assembly found on the 1st and 4th spans. View is of north side of 4th span.
- OH-70 -33- Top chord, vertical lattice, strut and diagonal member connection found at north side of 4th span.



CLEVES BRIDGE  
View of Photographs  
Span No. 1



CLEVES BRIDGE  
View of Photographs  
Span No. 2



CLEVES BRIDGE  
View of Photographs  
Span No. 3

